

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A method for allocating resources, comprising:
at a cluster,
allocating reserved resources to one or more depth levels, wherein the reserved resources form one or more reserved pools;
upon receiving a request for allocation of resources, determining a depth level from which to allocate resources by:
determining whether the request is remote request from a different cluster or a local request from the cluster;
in response to determining that the request is a remote request, determining that the depth level is a next depth level;
in response to determining that the request is a local request, determining that the depth level is a current depth level; and
~~allocating~~ attempting to allocate a reserved pool from the determined depth level.
2. (Original) The method of claim 1, further comprising:
generating control structures that indicate which resources are allocated to which processes.
3. (Currently Amended) The method of claim 1, wherein the allocations occur at a first cluster and further comprising:
at the first cluster, waiting for a second cluster to finish initialization processing that allocates reserved resources of the second cluster to each of multiple depth levels before allowing requests for resources to be processed at the first cluster.
4. (Original) The method of claim 1, further comprising:
when the allocation of the reserved pool is unsuccessful, attempting to allocate resources from an unreserved pool.

5. (Original) The method of claim 4, further comprising:
when the allocation from the unreserved pool is unsuccessful, placing the request in a data structure to wait for a reserved pool.
6. (Original) The method of claim 1, wherein the resources are task control blocks.
7. (Original) The method of claim 1, further comprising:
determining that a reserved pool at the determined depth level has been allocated; and
allocating a resource from the reserved pool.
8. (Cancelled)
9. (Cancelled)
10. (Original) The method of claim 7, further comprising:
determining that processing with the resource is complete; and
returning the resource to a pool of resources.
11. (Original) The method of claim 10, further comprising:
when the resource is returned to a reserved pool, determining whether all resources have been returned to that reserved pool;
when all resources have been returned, freeing the reserved pool for allocation to another process; and
allocating the freed reserved pool to a request waiting for allocation of a reserved pool.
12. (Original) The method of claim 10, further comprising:
when the resource is returned to an unreserved pool, allocating the freed unreserved pool to a request waiting for allocation of a reserved pool at a current depth level.
- 13-30. (Cancelled)